Host Identifier and Local Locator for Mobile Oriented Future Internet: Implementation Perspective

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***Abstract*— It is envisioned that the future Internet will be evolved to mobile oriented network environment, and the mobility support is a key issue in the design of future Internet. This paper proposes an architecture of Host Identifier and Local Locator (HILL) for the future mobile-oriented Internet. The proposed HILL architecture is implemented over Linux platform by using netfilter, iptables, and 6to4 tunneling. In addition, the handover performance is analyzed over the experimental testbed. In the experimental result, we can see that the handover operation is completed within one second.**

***Keyword*—** Host ID; Local LOC; ID-LOC separation; implementation

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